

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 March 2005 (31.03.2005)

PCT

(10) International Publication Number
WO 2005/028121 A1

(51) International Patent Classification⁷: **B05B 11/00, 7/00**

Franciskus [NL/NL]; Krabbehoek 13, NL-5348 MS Heesch (NL).

(21) International Application Number:
PCT/NL2004/000660

(74) Agent: TABELING, Marcella, Maria, Josefa; Arnold & Siedsma, Sweelinckplein 1, NL-2517 GK The Hague (NL).

(22) International Filing Date:
23 September 2004 (23.09.2004)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1024350 23 September 2003 (23.09.2003) NL

(71) Applicant (*for all designated States except US*): R+D INJECTOR AG [CH/CH]; Zugerstrasse 76b, CH-6340 Baar (CH).

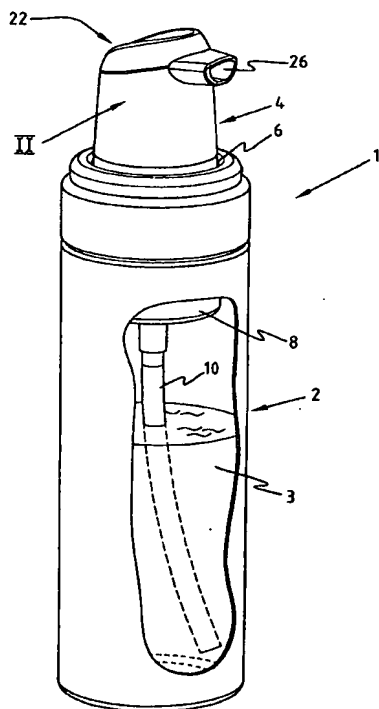
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): BROUWER, Markus,

[Continued on next page]

(54) Title: DISPENSER FOR CONCENTRATED INJECTION



(57) Abstract: A dispenser, particularly suitable for a liquid container, comprising a liquid pump provided with an inlet having an inlet valve and an outlet having an outlet valve, an air pump provided with an inlet having an inlet valve and an outlet having an outlet valve, a mixing chamber which is in communication with the outlet of each pump, and a dispensing part provided with an outflow channel with an outflow opening, wherein the outflow channel is in communication with the mixing chamber, and wherein the outlet valve of the air pump is arranged adjacent to the outlet of the liquid pump.

WO 2005/028121 A1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.